

FIGURE 1

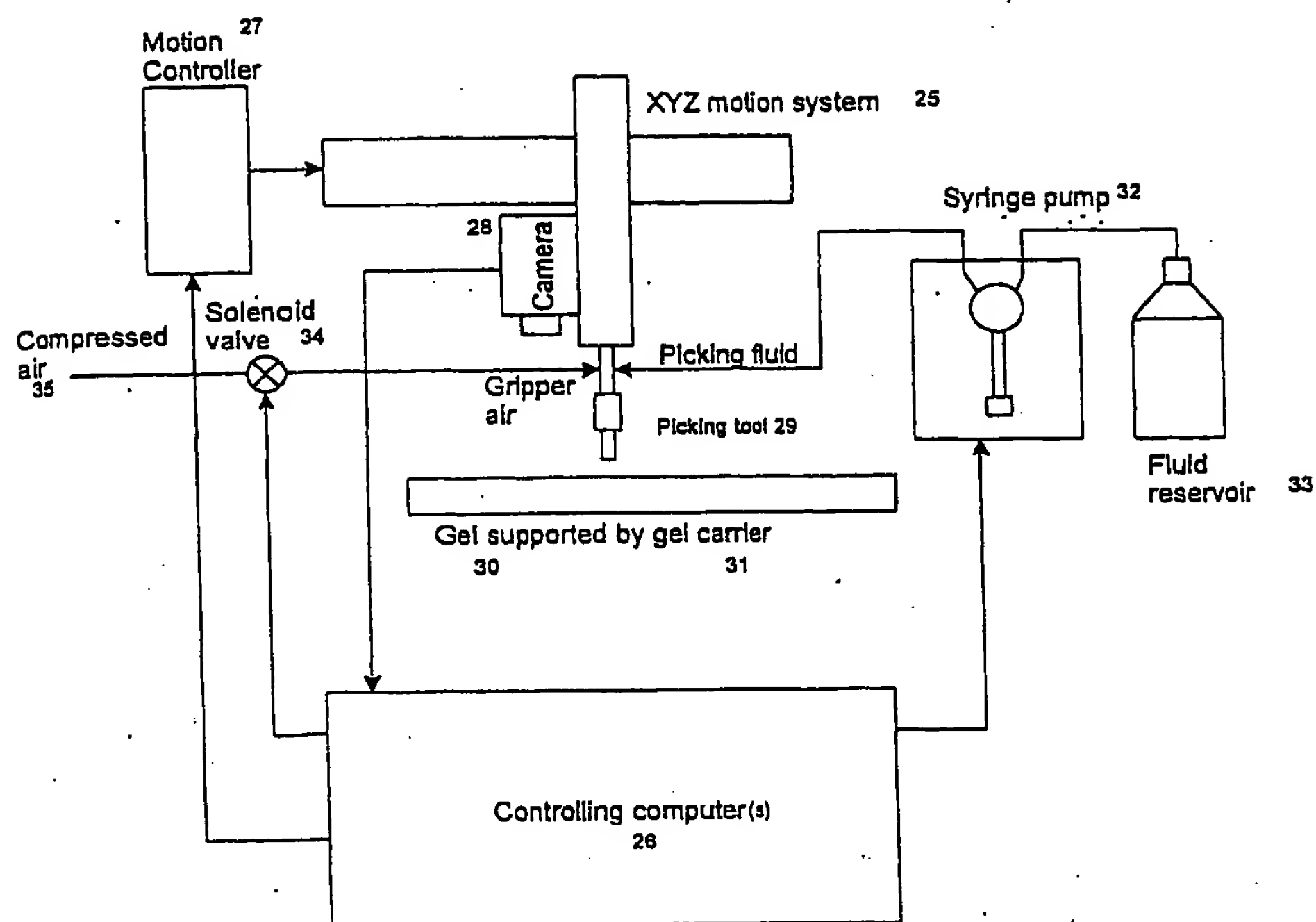


FIGURE 2

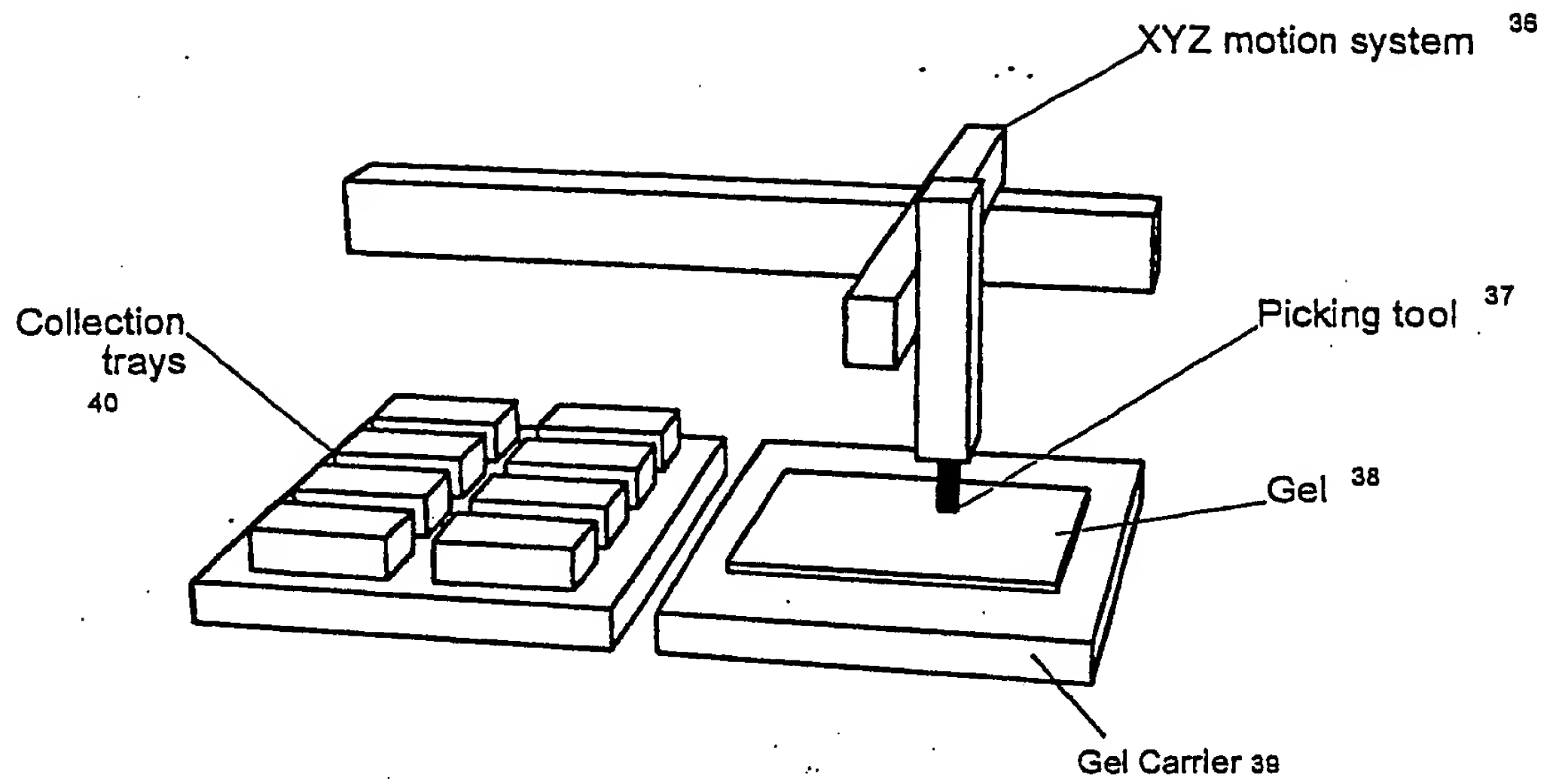


FIGURE 3

2025-01-20 10:24:25

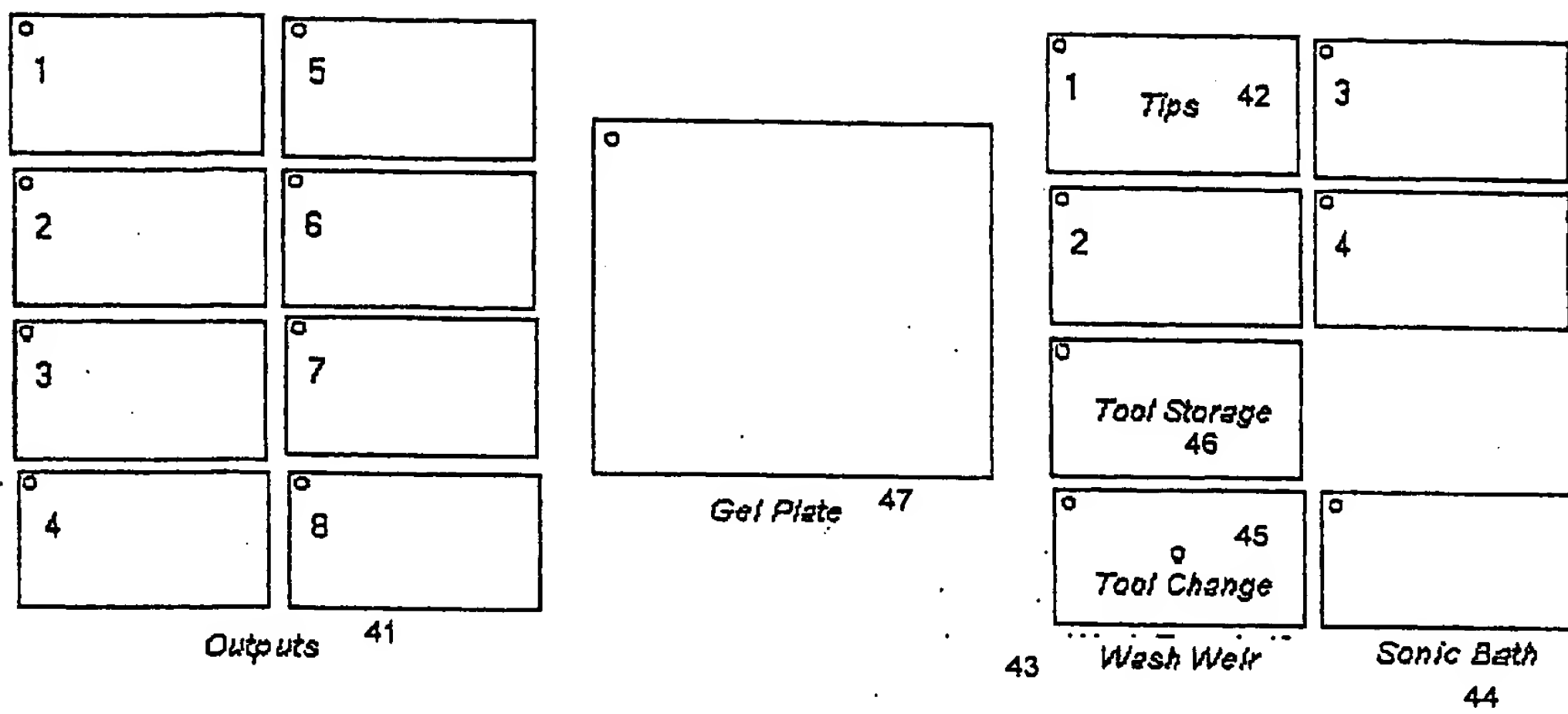


FIGURE 4

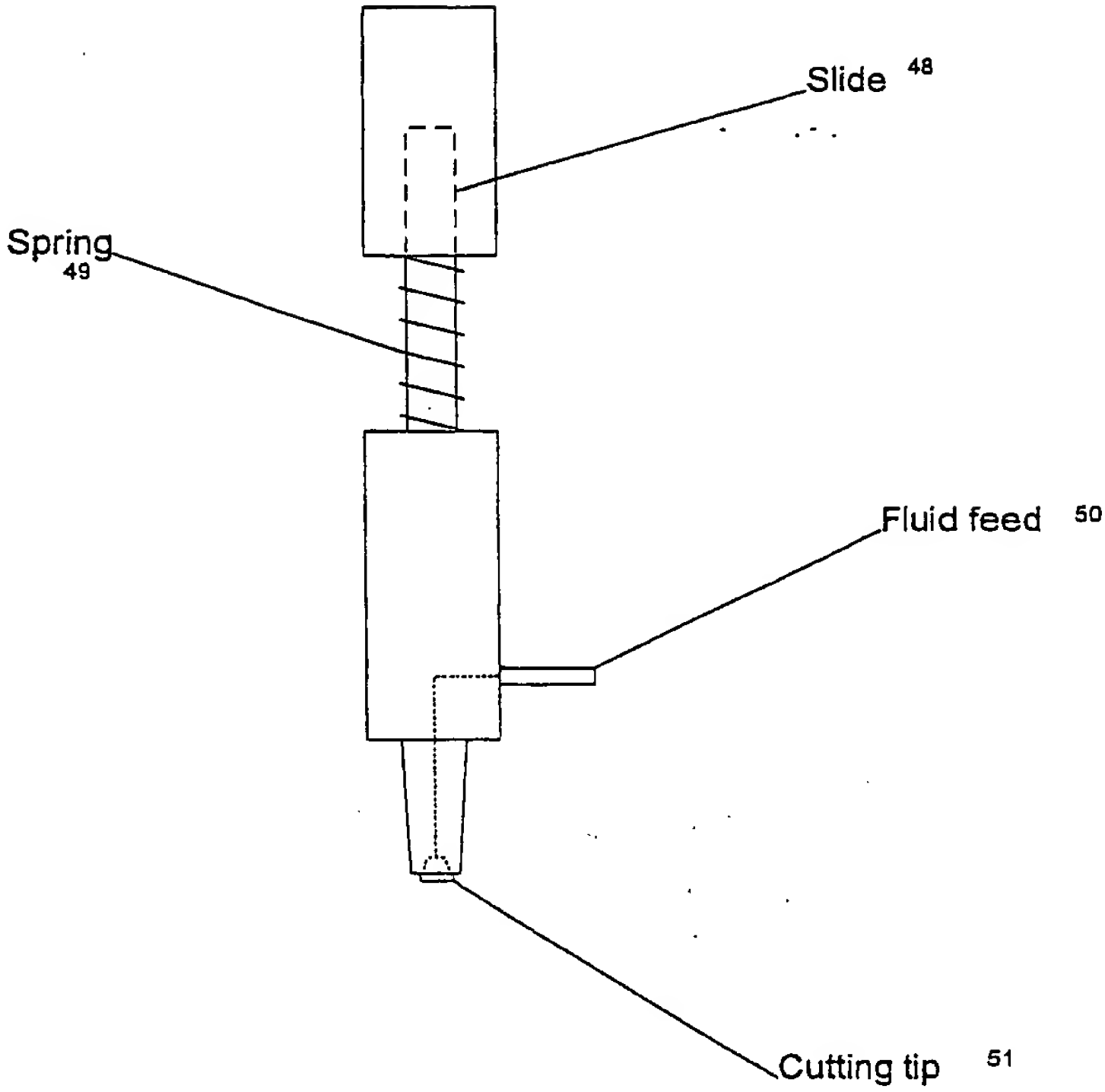


FIGURE 5

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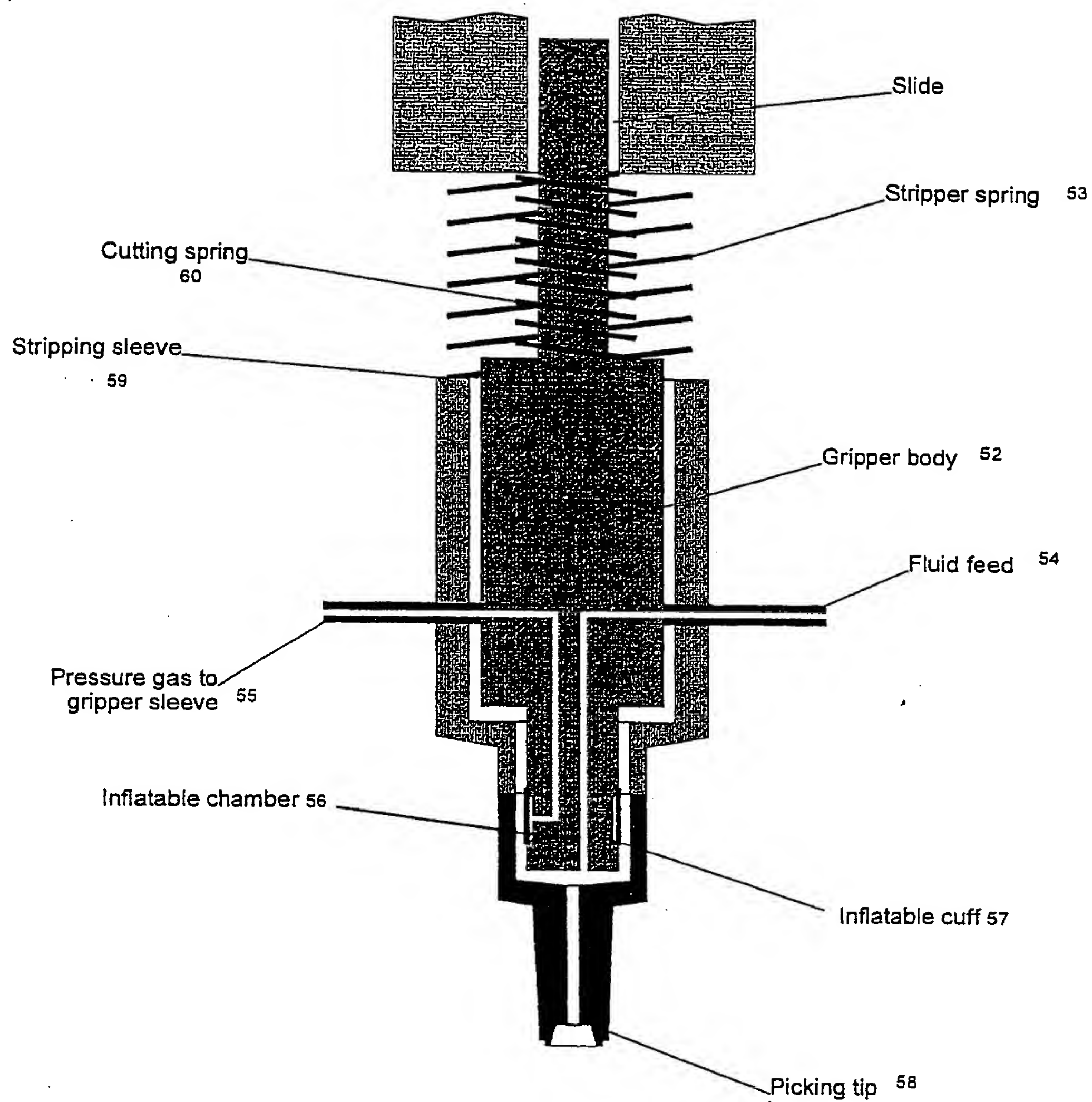


FIGURE 6

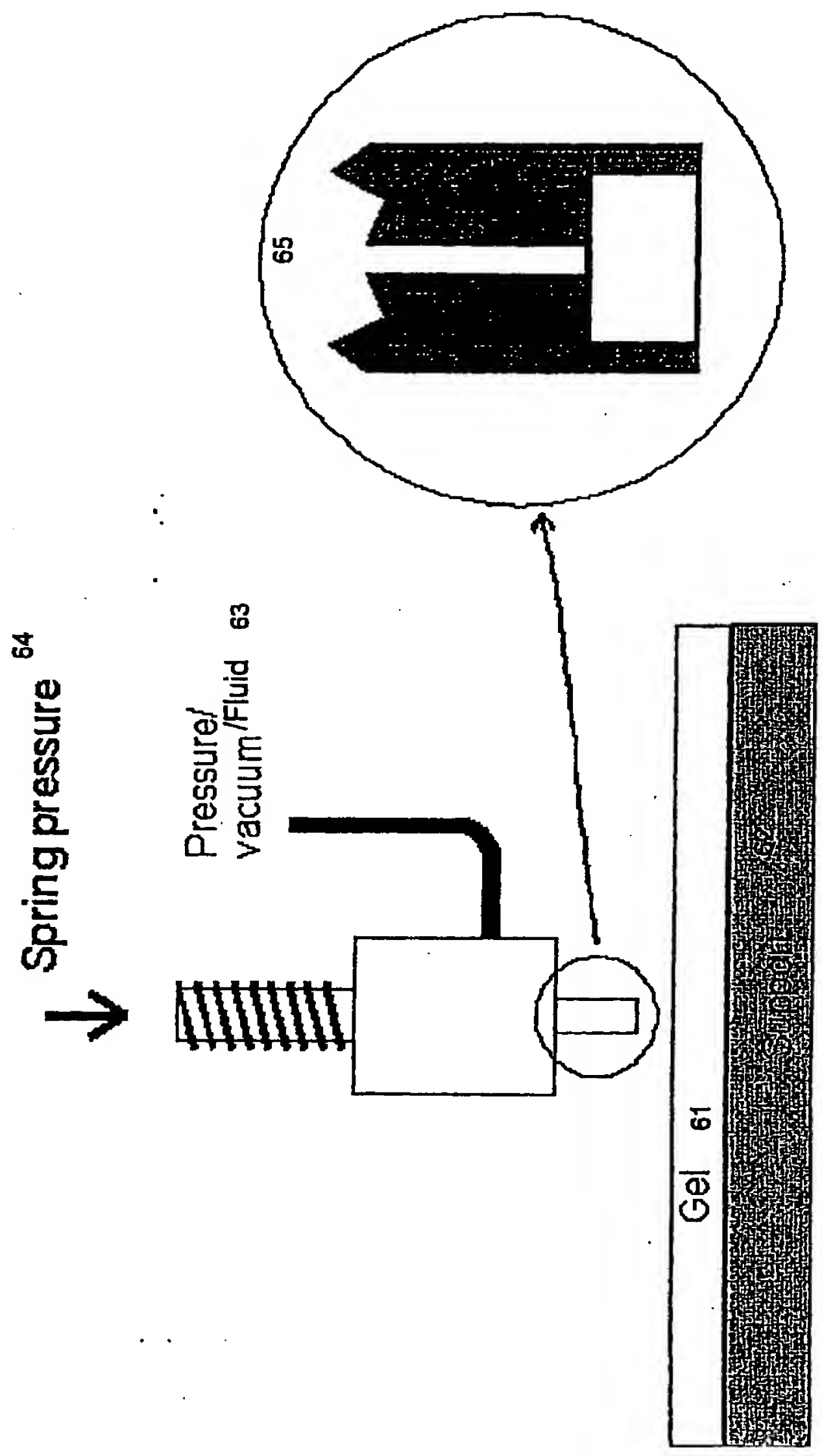


FIGURE 7

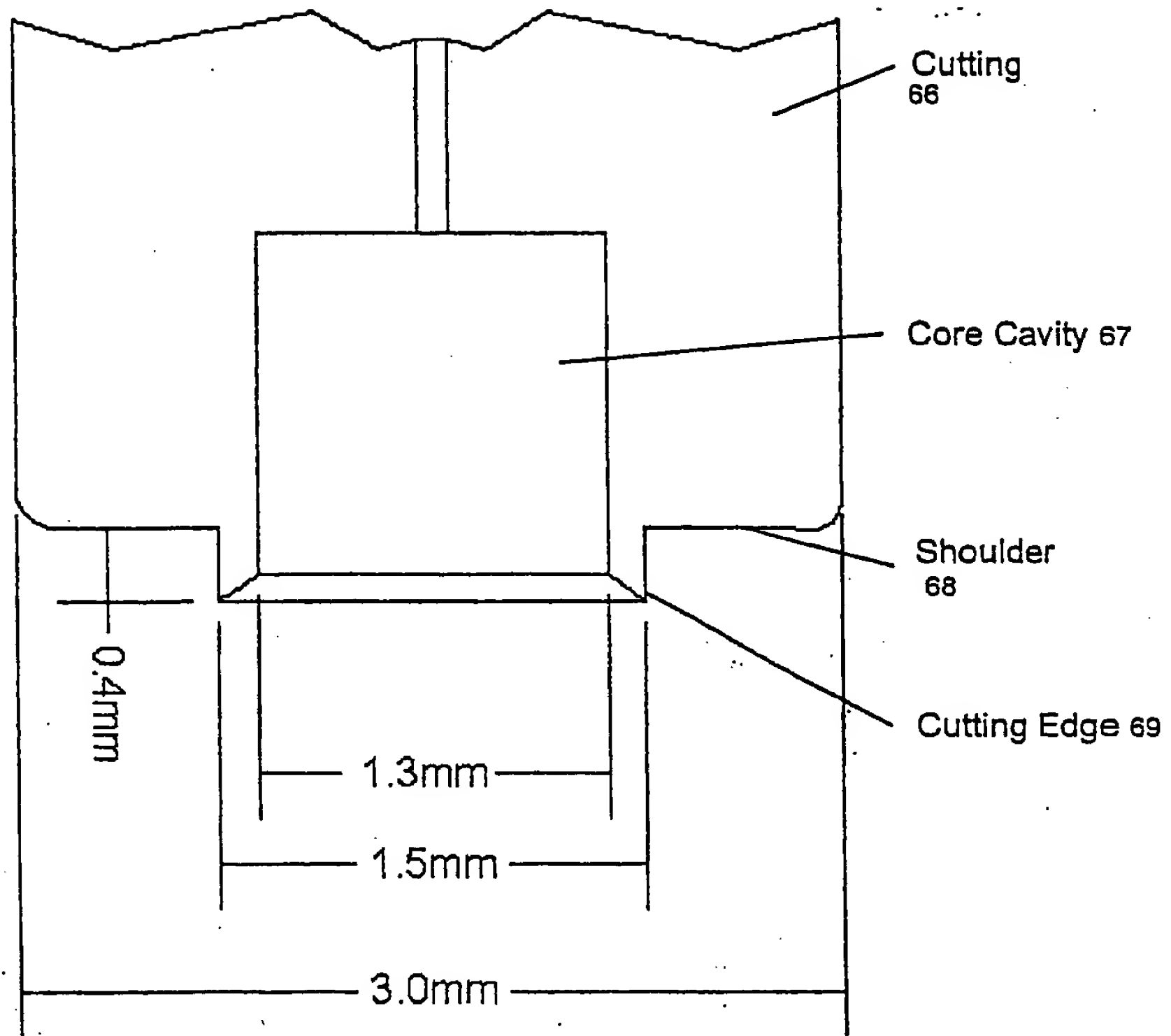


FIGURE 8

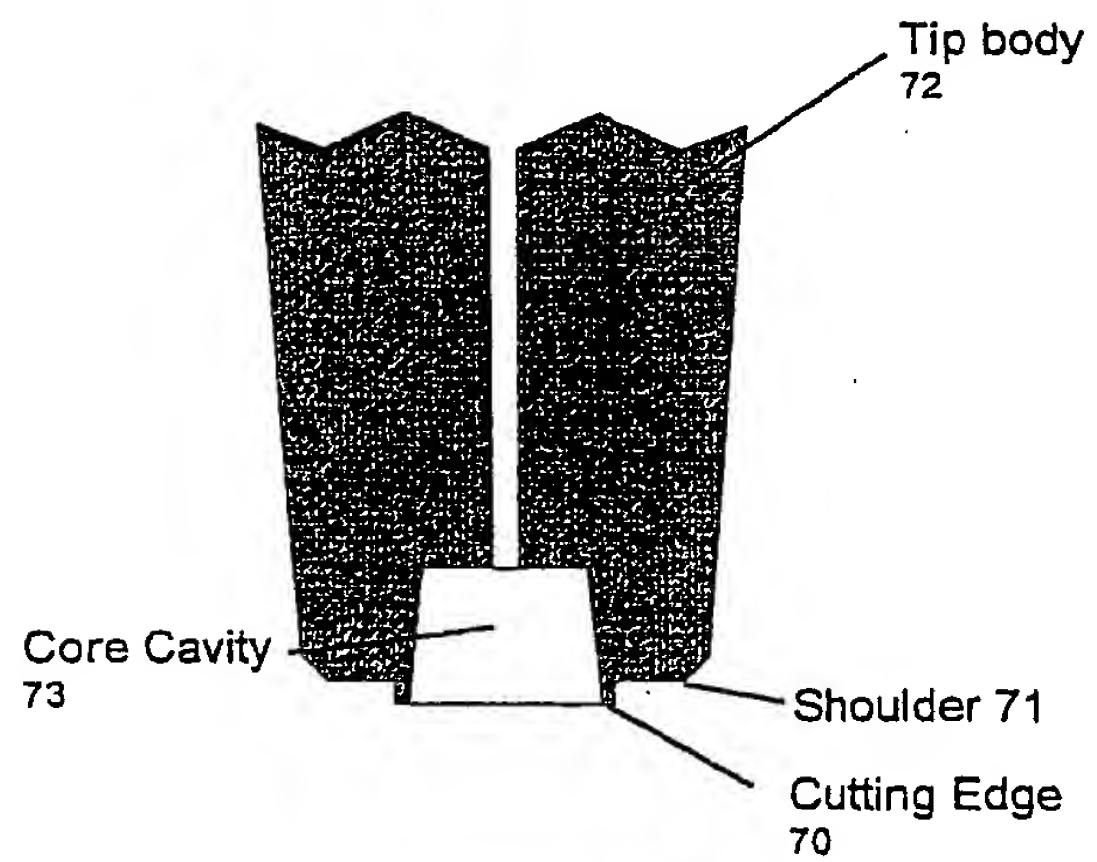
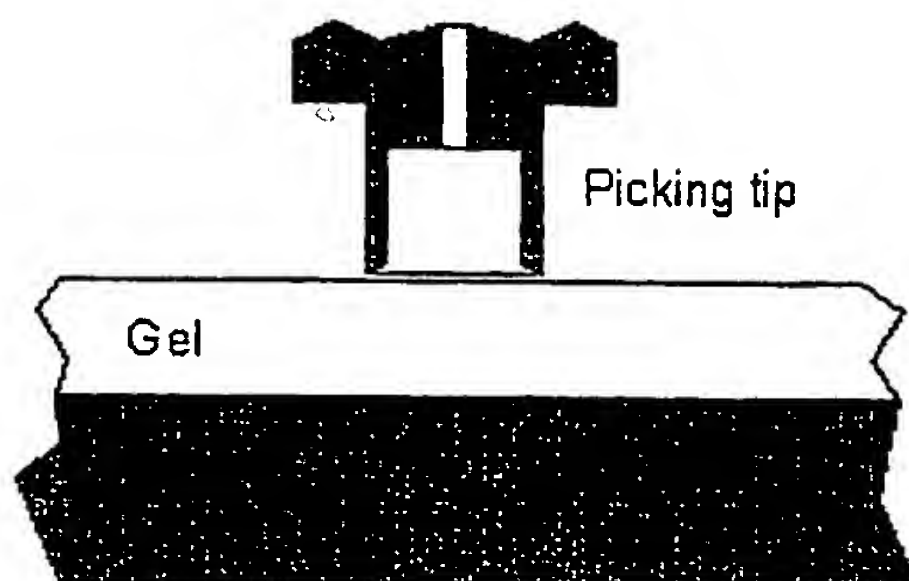
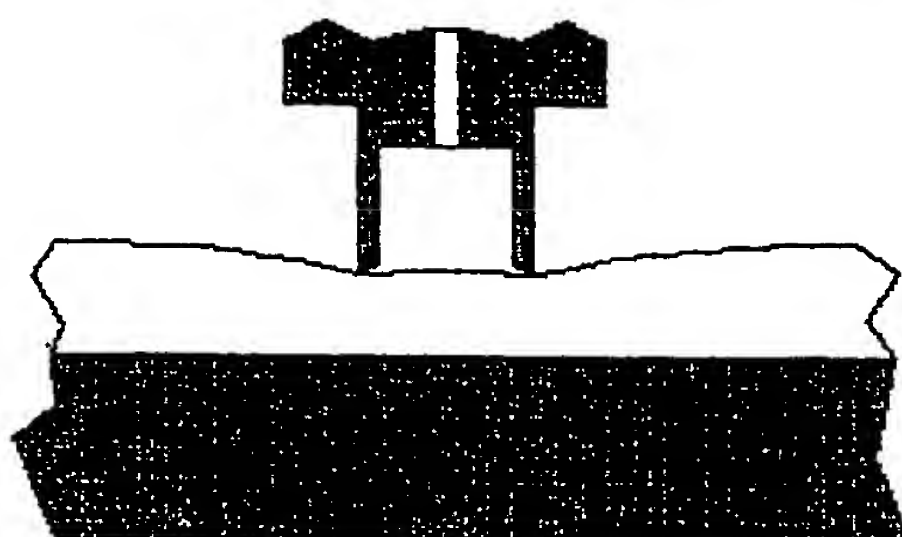


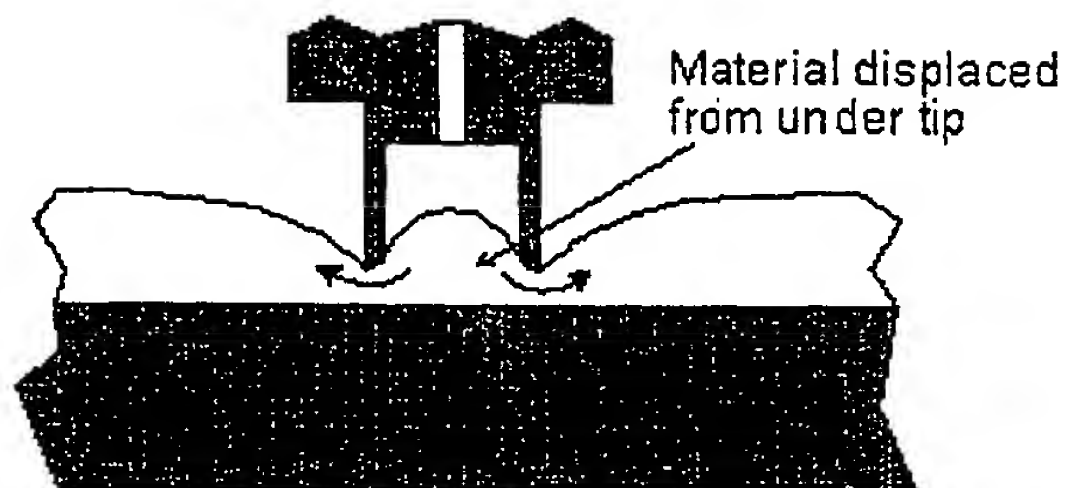
FIGURE 9



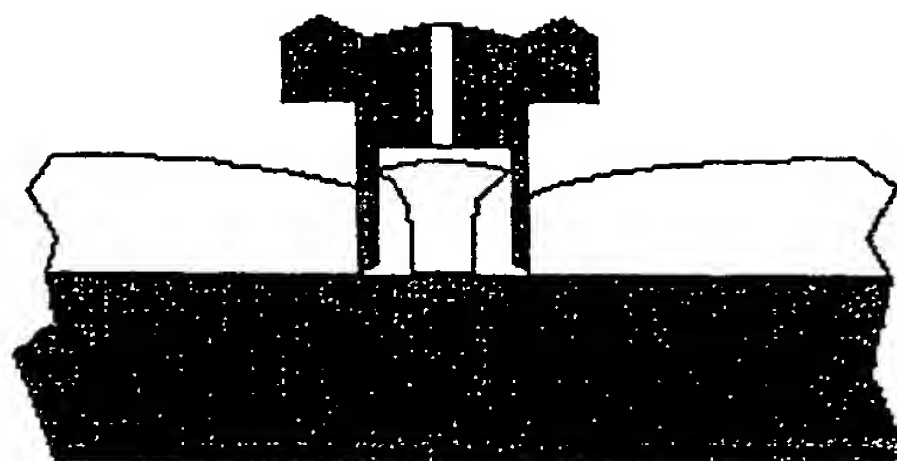
Tip contacts Gel



Tip deforms Gel



Tip cuts through Gel,
Gel deformation releases

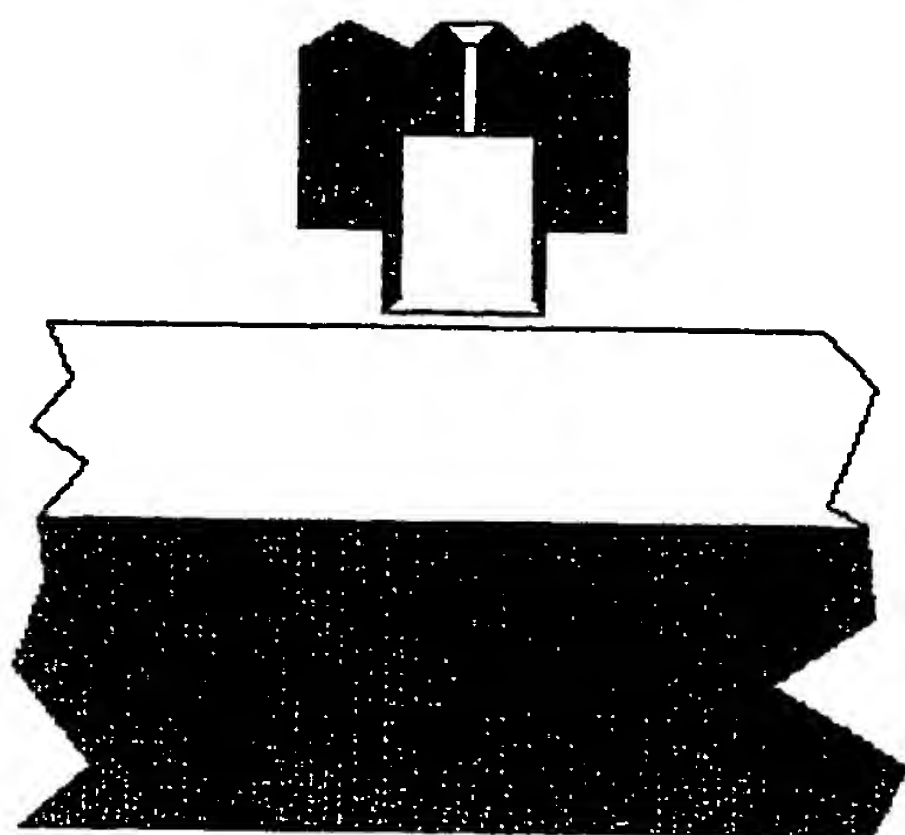


Resulting Plug

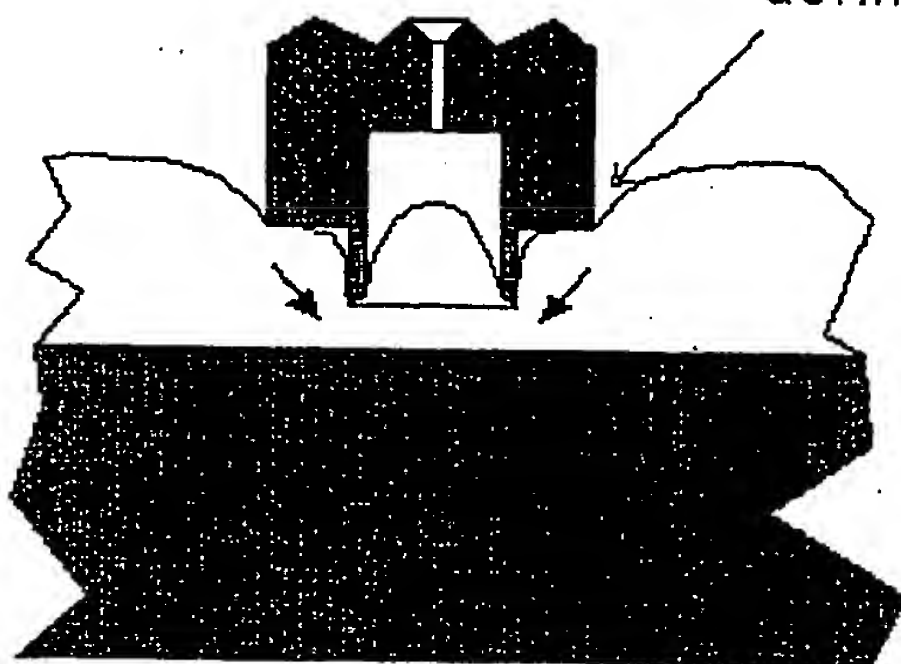


FIGURE 10

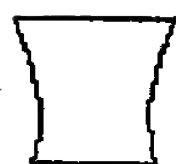
09/913425-011703



Shoulders push material
down towards tip



75



Resulting plug shape

FIGURE 11

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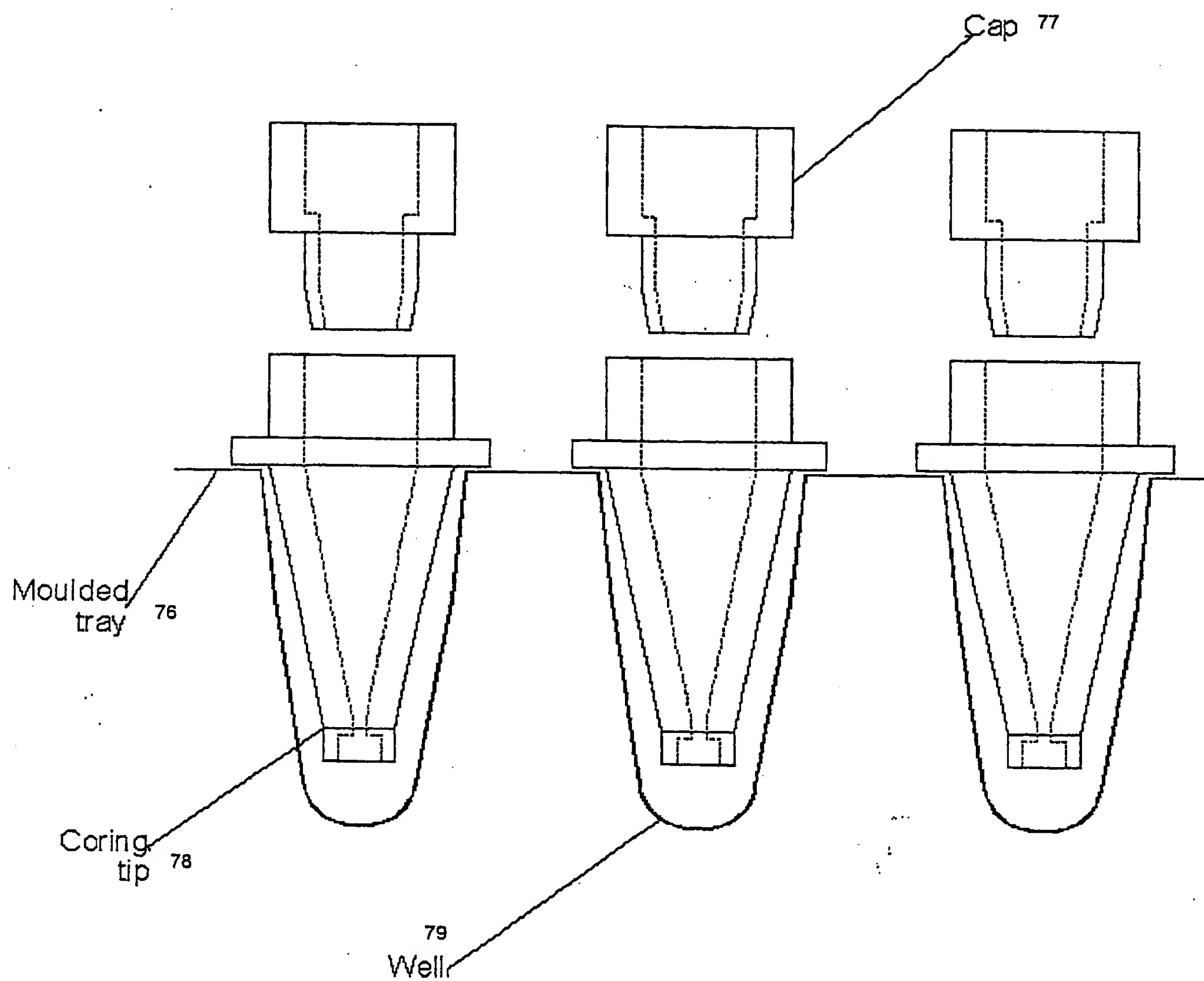


FIGURE 12

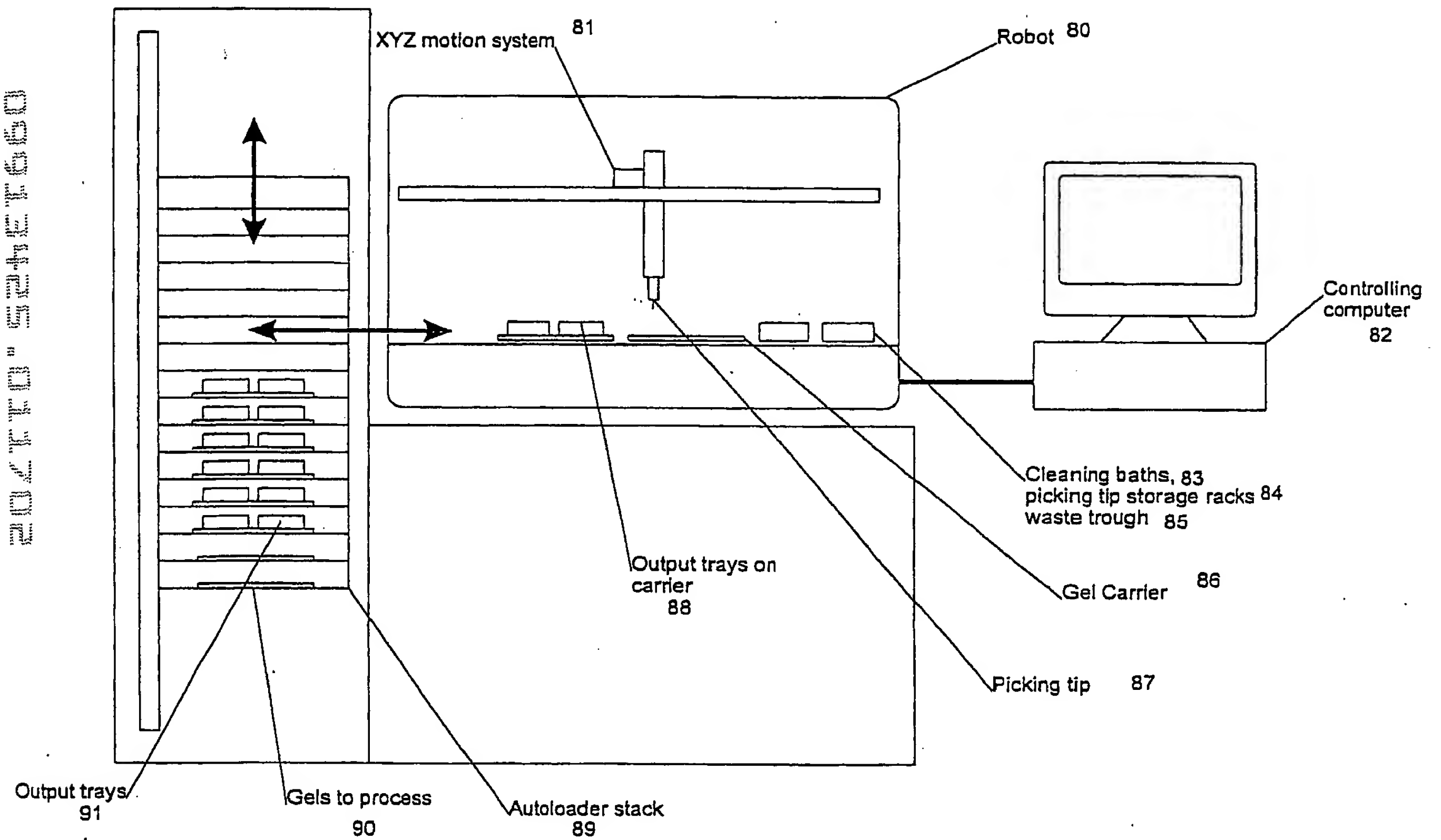


FIGURE 13